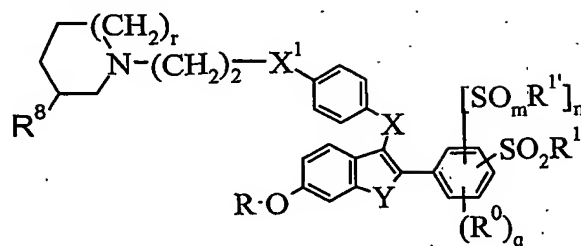


WE CLAIM:

1. A compound of formula I:



I;

wherein:

m , q and r are independently 0, 1 or 2;

n is 0 or 1;

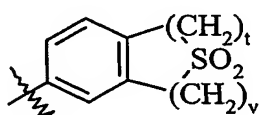
R is H or COR^2 ;

R^0 is independently at each occurrence OH, CF_3 , halo, $\text{C}_1\text{-C}_6$ alkyl or

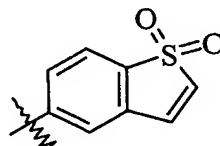
$\text{C}_1\text{-C}_6$ alkoxy;

R^1 and $R^{1'}$ are independently $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_1\text{-C}_6$ alkoxy, NR^3R^{3a} , CF_3

or CH_2CF_3 ; or when n and q are 0, the $-\text{SO}_2\text{R}^1$ moiety may combine with the phenyl ring to which it is attached to form a moiety of formula (a) or (b):



(a)



(b);

wherein t and v are 0, 1 or 2 provided that the sum of $t + v$ must be 2;

R^2 is $\text{C}_1\text{-C}_6$ alkyl; $\text{C}_1\text{-C}_6$ alkoxy; NR^4R^4 ; phenoxy; or phenyl optionally

substituted with halo;

R^3 is $\text{C}_1\text{-C}_6$ alkyl or phenyl;

R^{3a} and R^4 are independently at each occurrence H, $\text{C}_1\text{-C}_6$ alkyl, or

phenyl;

X is O, CH_2 or CO ;

X^1 is O or NR^5 ;

R^5 is H or C_1-C_6 alkyl; and

R^8 is H or methyl provided that if r is 1 or 2, then R^8 must be H and that if r is 0, then R^8 must be methyl; and

5 Y is S, CH_2CH_2 or $CH=CH$; or a pharmaceutical acid addition salt thereof.

10 2. The compound of claim 1 wherein m is 2; and r is 1 or 2; or a pharmaceutical acid addition salt thereof.

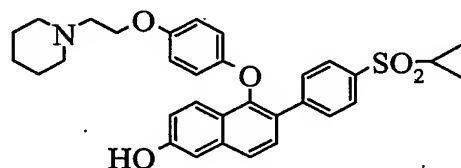
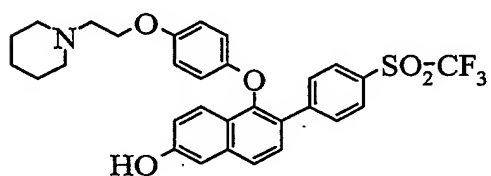
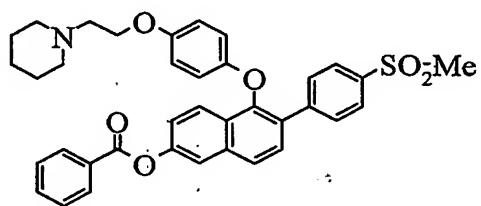
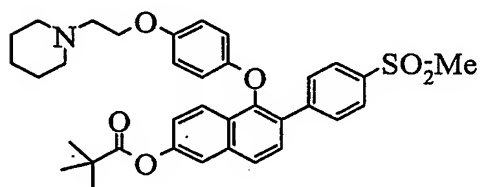
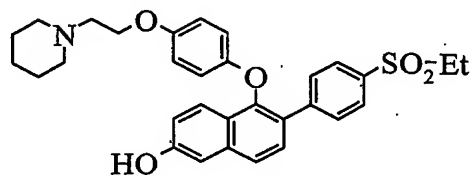
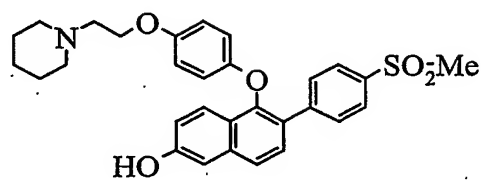
15 3. The compound of claim 1 or 2 wherein R^2 is C_1-C_6 alkyl, $NHCH_3$ or phenyl and the $-SO_2R^1$ moiety does not combine with the phenyl ring to which it is attached to form a moiety of formula (a) or (b); or a pharmaceutical acid addition salt thereof.

20 4. The compound of any one of claims 1-3 wherein n is 0; q is 0 or 1; the $-SO_2R^1$ moiety is at the para-position of the phenyl ring to which it is attached; R^0 is OH, CF_3 , fluoro, chloro, methyl or ethyl; R^1 is methyl, ethyl, n -propyl, isopropyl, cyclopropyl, n -butyl, isobutyl, sec-butyl, t -butyl, cyclobutyl or CF_3 ; R^2 is C_1-C_6 alkyl or phenyl; and Y is S or $CH=CH$; or a pharmaceutical acid addition salt thereof.

25 5. The compound of any one of claim 1-4 wherein X and X^1 are O; or a pharmaceutical acid addition salt thereof.

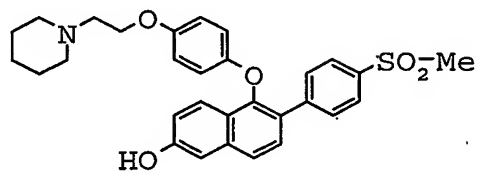
 6. The compound of any one of claims 1-5 wherein q is 0; R^1 is methyl, ethyl, cyclopropyl or CF_3 ; and Y is $CH=CH$; or a pharmaceutical acid addition salt thereof.

7. The compound of any one of claims 1-6 selected from the group consisting of:



5 or a pharmaceutical acid addition salt thereof.

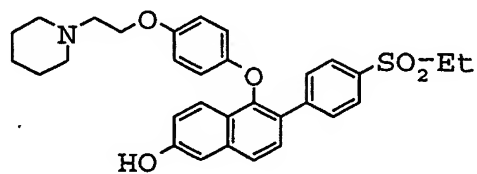
8. The compound which is:



or a pharmaceutical acid addition salt thereof.

10

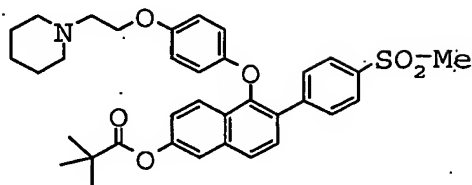
9. The compound which is:



or a pharmaceutical acid addition salt thereof.

-110-

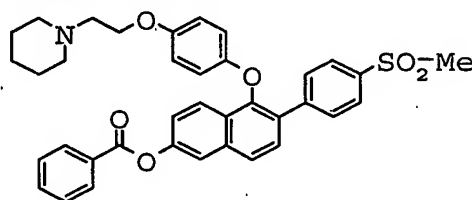
10. The compound which is:



or a pharmaceutical acid addition salt thereof.

5

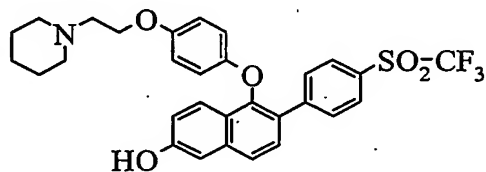
11. The compound which is:



or a pharmaceutical acid addition salt thereof.

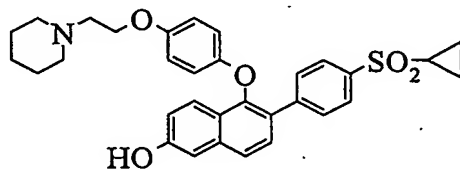
10

12. The compound which is:



or a pharmaceutical acid addition salt thereof.

13. The compound which is:



15

or a pharmaceutical acid addition salt thereof.

14. The compound of any one of claims 1-13 which is the hydrochloride salt.

-111-

15. A method of treating endometriosis comprising administering to a patient in need thereof an effective amount of a compound of any one of claims 1-14, or a pharmaceutical acid addition salt thereof.

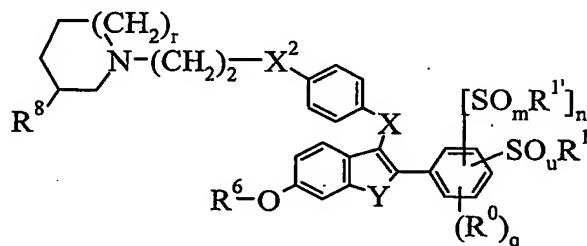
5

16. A method of treating uterine leiomyoma comprising administering to a patient in need thereof an effective amount of a compound of any one of claims 1-14, or a pharmaceutical acid addition salt thereof.

10

17. A compound of any one of claims 1-14, or a pharmaceutical acid addition salt thereof, for use in treating endometriosis and/or uterine leiomyoma.

18. A compound of formula II:



II;

wherein:

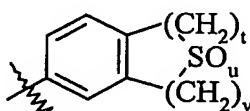
m, q, r and u are independently 0, 1 or 2;

n is 0 or 1;

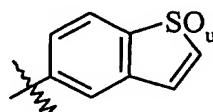
R⁰ is independently at each occurrence OH, CF₃, halo, C₁-C₆ alkyl or

20 C₁-C₆ alkoxy;

R¹ and R^{1'} are independently C₁-C₆ alkyl, C₁-C₆ alkoxy, NR³R^{3a}, CF₃ or CH₂CF₃; or when n and q are 0, the -SO_uR¹ moiety may combine with the phenyl ring to which it is attached to form a moiety of formula (c) or (d):



(c)



(d);

25

-112-

wherein t and v are 0, 1 or 2 provided that the sum of $t + v$ must be 2:

R² is C₁-C₆ alkyl; C₁-C₆ alkoxy; NR⁴R⁴; phenoxy; or phenyl optionally substituted with halo;

R³ is C₁-C₆ alkyl or phenyl;

R^{3a} and R⁴ are independently at each occurrence H, C₁-C₆ alkyl or phenyl;

R⁶ is H, C₁-C₆ alkyl, benzyl or COR²;

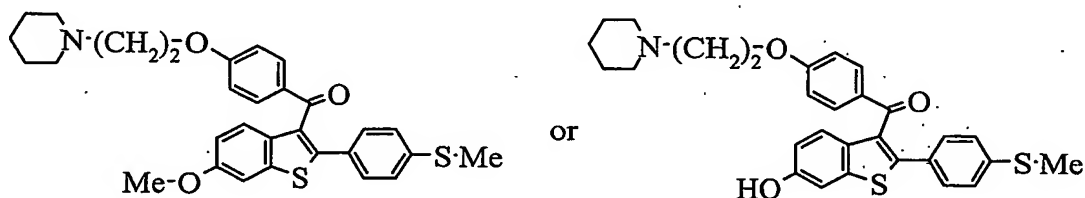
R^7 is H, C_1 - C_6 alkyl or $CO_2(C_1$ - C_6 alkyl);

10 R^8 is H or methyl provided that if r is 1 or 2, then R^8 must be H and that if r is 0, then R^8 must be methyl;

X is O, CH₂ or CO;

X^2 is O or NR⁷:

Y is S, CH₂CH₂ or CH=CH; or a pharmaceutical acid addition salt thereof; provided that u can only be 2 when R⁶ is C₁-C₆ alkyl or benzyl; or an acid addition salt thereof; and further provided that the compound of formula II is not:



19. The compound of claim 18, or an acid addition salt thereof, wherein r is 1 or 2; and

20 a) if n is 0 and the SO_2R^1 moiety and R^0 combine with the phenyl ring to which they are both attached to form a moiety of formula (c) or (d), then u is 2; and
b) if n is 1, then m and u are both 0, are both 1 or are both 2.

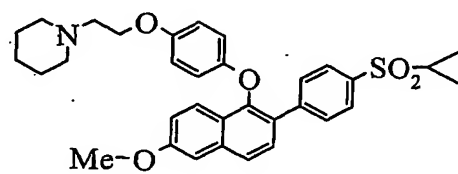
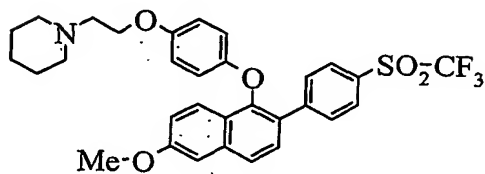
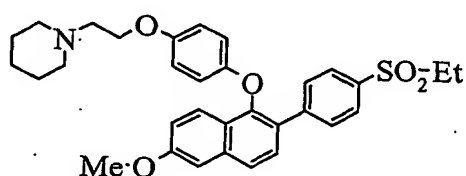
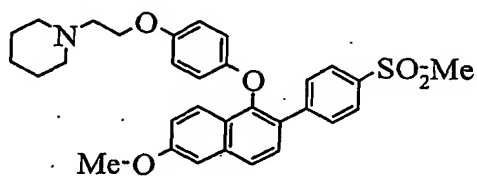
20. The compound of claim 18 or 19 wherein the $-SO_uR^1$ moiety does
25 not combine with the phenyl ring to which it is attached to form a moiety of formula (c) or
(d) and is at the para-position of said phenyl ring to which it is attached; n is 0; q is 0 or 1;

-113-

R^0 is OH, CF_3 , fluoro, chloro, methyl or ethyl; R^1 is methyl, ethyl, n-propyl, isopropyl, cyclopropyl, n-butyl, isobutyl, sec-butyl, t-butyl, cyclobutyl or CF_3 ; R^2 is C_1 - C_6 alkyl or phenyl; X and X^1 are O; and Y is S or $CH=CH$; or an acid addition salt thereof.

21. The compound of any one of claims 18-20 wherein q is 0; R^1 is methyl, ethyl, cyclopropyl or CF_3 ; and Y is $CH=CH$; or an acid addition salt thereof.

22. The compound of any one of claims 18-21 selected from the group consisting of:



or an acid addition salt thereof.